CONTENT

Instructions of Federal Communications Commission (FCC) Compliance

This unit has passed the testing as stipulated in Article 15 of FCC Compliance and conforms to the limitations and provisions of Class-B digital equipment. The restrictions are formulated to prevent the harmful interference of radio frequency of the household appliances. This unit will emit electromagnetic waves in its working and therefore, it may interfere with the radio wave in case of not being fixed and used as per the User's Manual. It is not guaranteed that this unit will not interfere in the special device, which may be seen by opening and closing this unit. In case this unit interferes with the TV sets or wireless equipment, the user may prevent the interference by one or several methods stated below:

——Relocate the receiving antenna
——Increase the distance between this unit and the receiver
——Connect the power plug of this unit into the socket for the different lines with the receiver
——Please contact the well-experienced technical personnel of wireless device and TV set

In order to satisfy the limitations regarding radiation and to prevent the adjacent TV set and wireless device from interference, the accessories attached with this unit shall be used. This machine shall not be changed or altered without the authorization or conformation by the manufacturer.

N793S LCD Monitor

CE Statement

This is to state that N793S LCD Monitor complies with the following compulsory regulations:

- **Safety**

  This appliance complies with LVD-73/23/EEC Low Voltage Direction (EN60950:1999) requirements:

  - Electrical shock protection
  - Energy risk protection
  - Fire risk protection
  - Radiation risk protection
  - Risky abnormal materials during normal operation or malfunction
  - Mechanical and moving parts risk

- **EMC**

  This appliance complies with 89/336/EEC requirements.

  Electro magnetic interference generated by this appliance is less than that of radio or long distance communication equipments. During normal operation, interference level is acceptable; meanwhile it has sufficient interior anti-interference level. In case of correct installation and maintenance, it works normally under electro magnetic environments.

  EMI: Radio interference is in conformity with EN55022 Class B: 1998
  (Limit Value & Test Method for Radio Interference Characteristic for Information Technology Equipment)
   A) Radiation emission
   B) Conducted emission
  EN61000-3-2:2000;   Class A Harmonics Current Emission
  EN61000-3-3:1995+A1:2001   Voltage Fluctuation & Flicker
  EMS: Anti-interference is in conformity with EN55024:1998 +A1:2001
  (Limit Value & Test Method for Anti- Interference Level for Information Technology Equipment)
   IEC61000-4-2:1995+A1: 1998   Electrostatic (ESD)
   IEC61000-4-3:1995+A1: 1998   Immunity to RF field strength
   IEC61000-4-4:1995   Electrical fast transient
   IEC61000-4-5:1995   SURGE
   IEC61000-4-6:1996   CS
   IEC61000-4-8:1993   Magnetic-immunity
   IEC61000-4-11:1994   Voltage Dips/Interruptions

Safety Instructions

IMPORTANT!!

1. Please carefully read this manual before use and keep it.
2. Do not place this monitor on unstable cars or desks to avoid unnecessary drop- off, which causes harm to children or adults and serious damages to monitor as well. Any stress to LCD screen is absolutely forbidden during handling.
3. Do not place this monitor in wet place or water-drop & raindrop area, such as washroom, kitchen, wet floor, nearby washing machine or swimming pool.
4. Please take out power plug before cleaning. Any water-containing cleaning agent is forbidden to clean the screen. Special cleaning agent should be used to clean LCD screen. Do not put liquid cleaning agent directly on monitor, put it on a soft cloth first and then begin cleaning job.
5. In order to guarantee reliable operation and good heat dissipation, do not cover or block vent holes of the monitor. Do not put the monitor close to heat sources. Do not place the monitor on furniture such as book shelf, unless relevant ventilation equipment is available.
6. Only attached power adaptor can be used for this monitor. In case of changing power adaptor, please select certified vendor by our side. Power adaptor should be only used at rated power supply. If you are not sure about power supply at your area, please contact local distributor or supplier.
7. A 3-pin earth plug is equipped for this monitor. In order to guarantee normal operation and safety of this unit, this plug should be used on matching earth type power socket.
8. Please follow all warnings and instructions on the monitor.
9. Please pay special attention to overload of power supply, otherwise electrical shock or fire may occur.
10. Do not put anything on power cord. Do not hang power cord over the passage area.
11. In case of disuse for a long time, please cut off power in order to avoid short circuit caused by lightning.
12. In order to avoid electrical shock or fire risk, please do not insert anything into the gap of monitor enclosure. Please do not splash any liquid on this appliance.
13. In case of any abnormal noise or smell caused by incorrect operation, please cut off power supply immediately and contact professional technician. Please do not intend to repair this unit by yourself, because electrical shock may occur when opening back cover of this monitor.
14. In case of following conditions, please cut off power supply and contact   our repairer:
    1) Power cord damaged or worn;
    2) Liquid gets into the monitor, or the monitor has experienced immersion or raindrop, or the monitor get wet;
    3) Monitor dropped off
    4) Monitor characteristic has obvious changes
    5) This appliance failed to work normally when you follow correct operations. In that case please adjust it according to our instructions; please do not change operation method at will because more damages may occur. At that time it is very difficult to successfully repair this unit.
15. In case of changing parts, you must use same type parts or use that of our certified manufacturers. Any alternative parts without our authorization may result in electrical shock or fire risk.

Introduction

General Specification

Your N793S Monitor is a kind of high quality electronic product, featuring in multi-frequency, scanning, intelligent type, Liquid Crystal Display and excellent high resolution, ranging 30 ~ 80 KHz.

Caution: in order to keep this appliance to its best working condition, please carefully read this manual before use.

Monitor Characteristics

- 17" visible screen
- 1280 x 1024, 250cd/m^2,900:1 (subject to panel specification)
- Wide angle of vision: subject to panel specification
- Color for option: 5000K –blue; 6500K –red; 9300K –green; users' favorite
- Low power consumption
- Automatic power switch: AC 100~240V, 50~60Hz.
- User contrast adjustment: Brightness, Phase, Pitch, Up-down & Left-right Moving Center, Color, Menu Location, Reset, Background Brightness, Language
- Eight languages for option: Traditional Chinese, Simplified Chinese, Japanese, English, German, French, Spanish and Italian.

Accessories

- 17inch LCD monitor
- Power Cord
- VGA signal wire, DVI signal wire
- Instruction manual
- DC power adaptor
- Audio cable

Caution: Please keep original packing materials including cartons for possible handling or transferring of this unit in next time.

Precautions
- Please cut off power before cleaning this unit. Use soft paper with clean water to slightly wipe LCD panel.
- High voltage and dangerous. Nobody is permitted to assemble or disassemble interior cord except professional technicians.

Installation

Terminal Connection

VGA   ⇨ Signal Input

DVI   ⇨ Signal Input

DC input   ⇨ Power Input
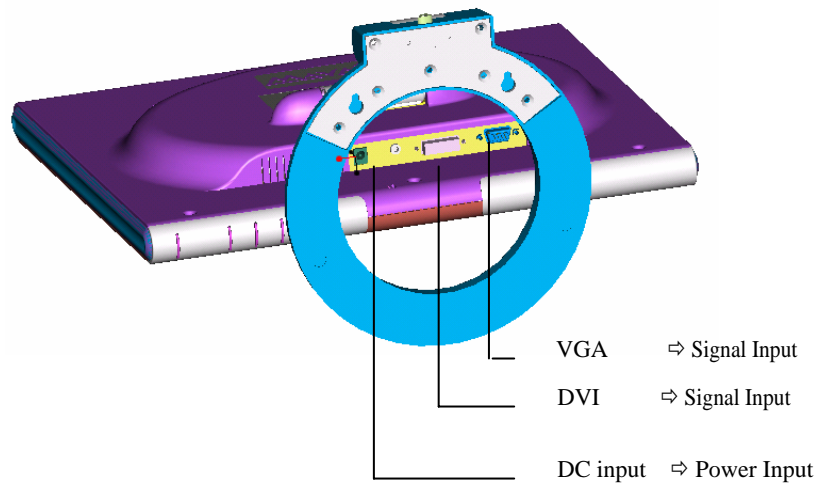
Pre-installation Check

Please check label on the nameplate of back cover first. For voltage specification of this monitor, input voltage between 100V and 240V is applicable. Also please make sure this monitor and your main system (computer) is on OFF position before you connecting each connector.
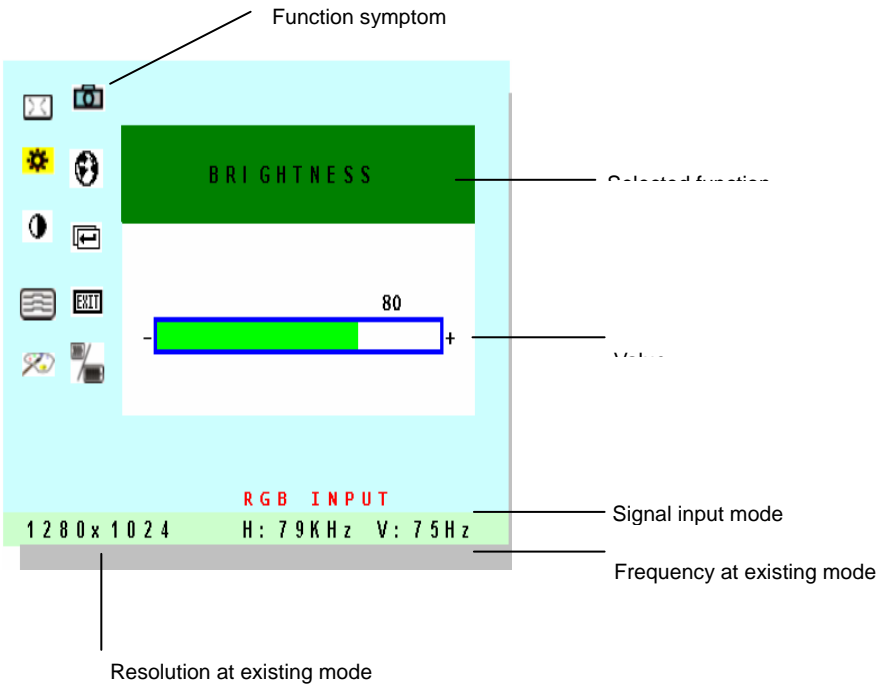
Operation

Front Panel Buttons

No.	Symptom	Function
①	⏻	DC power switch
②	**+**	1. Increase volume 2. Increase ☼ ◑ ▭ ▢ ▤ ▥ R G B value Turn right to change 📷 🌐 ⤺ EXIT setting
③	**–**	1. Decrease volume 2. Decrease ☼ ◑ ▭ ▢ ▤ ▥ R G B value Turn left to change 📷 🌐 ⤺ EXIT setting
④	MENU	1. Display OSD main menu 2. Turn down to select OSD symptom
⑤	AUTO	1. Auto-adjustment 2. Turn up to choose OSD symptom

Adjust Screen (auto-save)
1. Push MENU button to display OSD main menu
2. Select MENU or AUTO button for selection
3. Select function menu, push – or + button
4. Push + or - button, increasing or decreasing value to change setting
5. Select adjusting value or return to OSD main menu by pushing MENU button
6. Push button to close menu, or auto close after 6 seconds

OSD Menu

OSD Main Menu

Function symptom

BRIGHTNESS

Selected function

80

Value

RGB INPUT

Signal input mode

1280x1024   H: 79KHz V: 75Hz

Frequency at existing mode

Resolution at existing mode

OSD Sub-menu

RGB   NO   INPUT   SIGNAL

1. If this signal occurs, please check the connector. In case of it is tilted or damaged, signal wire will be affected.
2. If this monitor is in "sleeping" mode for energy saving, please move the mouse or press any key to "awake" it to return to working mode.
3. Please check relevant diagrams, make sure they are properly installed.
4. Please check signal wire. If wire type is incorrect, please change to N793S LCD monitor attached signal wire.

SIGNAL   OVER   RANGE

1. Input signal frequency does not match N793S Monitor. For this model, horizontal frequency is 30 ~ 80 KHz and vertical frequency is 50~75Hz, please make sure your

setting is within this range.

OSD Symptom Illustration

Symptom	Function	Illustration
	Auto-adjust	adjust screen picture automatically
	Contrast	adjust picture contrast level
	Brightness	adjust brightness
	Picture	adjust picture quality
	Timer	adjust picture time sequence
	Phase	adjust distortion effects of horizontal wavy lines or ripples
	Horizontal Position	adjust position of picture left or right
	Vertical Position	adjust position of picture up and down
	Acutance	adjust acutance of picture
	Color	Adjust picture color (9300K -blue, 6500K -red, 5000K –green, users' favorite)
	Option	adjust picture
	Key lock	control ON/OFF switch
	OSD H-position	adjust OSD horizontal position
	OSD V-position	adjust OSD vertical position
	OSD Time Displayed	adjust OSD time
	Reset	reset to the default value
	Language	choose language
	Recall	back to previous menu
	Exit	exit OSD menu
	Signal input	choose D-SUB or DVI signal input mode

Language for Option

简体中文	繁体中文	ENGLISH	FRANÇAIS	ESANOL	ITALIANO	GERMAN	日本语
语言	語言	Language	Langue	IDIOMA	Lingua	SPRACHE	言语
自动调整	自動調整	Auto Adjusting	Ajustement Auto	AJUSTE AUTOMÁTICO	Regolazione Auto	AUTOMATISCHE	自動調整
亮度	亮度	Brightness	Luminosité	BRILLO	Luminosità	HELLIGKEIT	輝度
对比度	對比度	Contrast	Contraste	CONTRASTE	Contrasto	KONTRAST	コントラスト比
图像	圖象	Image	Image	IMAGEN	Immagine	BILD	画面
时钟	時脈	Clock	Horloge	RELOJ	Orologio	TAKT	クロック
相位	相位	Phase	Phase	FASE	Fase	PHASE	フェーズ
水平位置	水平位置	H-Position	Position H.	POSITIÓN H	Posizione O	H.LAGE	水平位置
垂直位置	垂直位置	V-Position	Position V.	POSITIÓN V	Posizione V	V.LAGE	垂直位置
锐利度	銳利度	Sharpness	Définitio	NITIDO	Definizione	SCHÄRFE	シャープ
DOS 模式	DOS 模式	Dos Mode Display	Affichage DU Mode DOS	MODO DOS	Display Modo Dos	DOS MODUS ANZEIGE	DOS モードディスプレイ
返回	返回	Return	Retourner	VOLVER	Ritornare	ZURÜCK	戻る
颜色	顏色	Color	Couleur	COLOR	Colore	FARBE	カラー
使用者	使用者	User	Utilisateur	USUARIO	Utente	BENUTZER	ユーザー
选项	選項	Option	Option	OPCIÓN	Opzione	OPTION	オプション
锁按键	鎖按鍵鎖	Key lock	Verrouillag	BLOQ MENÚ	Blocco Menu	SPERRE	キーロシク
菜单水平位置	OSD 水平位置	OSD H-Position	Position H. OSD	POSITIÓN H OSD	Posizione O OSD	OSD H. LAGE	OSD 水平位置
菜单垂直位置	OSD 垂直位置	OSD V-Position	Position V.OSD	POSITIÓN V OSD	Posizione V OSD	OSD V. LAGE	OSD 垂直位置
OSD 显示时间	OSD 顯示時間	OSD timer	Minuterie	CRONÓMETRO OSD	Temporizzatore OSD	OSD TIMER	OSD カウンター
复位	復原	Reset	Rappel	RECUPERAR	Ripristina	AUFRUFEN	復帰
退出	離開	Exit	Quitter	SALIDA	Esci	ENDE	終了
信号输入	信號輸入	Source input	Source d'entrée	ENTRADA DE FUENTE	Font Input	QUELLE EINGANG	元入力

N793S LCD Monitor

Technical Data

Model No.	N793S
Panel Type	17" a-Si AM-TFT LCD panel
Lattice Distance	0.264 mm x 0.264 mm
Max. Resolution	SXGA 1280 x 1024
Display Area	337.92 (H) x 270.336 (V)
Display Color	16.2M
Contrast	900:1
Brightness	450 cd/m^2
Reaction Time (T_r/ T_f)	9ms
Angle of Vision R$\geqq$ 10 (Left/Right/Up/Down)	85°/85°/75°/75°
Signal Input	Appro. 0.7V$_{p-p}$, synchronous separation TTL STD anode/cathode digital
Scanning Frequency	Horizontal: 30 ~ 80 kHz Vertical: 60 ~ 75Hz
OSD Item	Contrast, Brightness, Phase, Pixel, Horizontal Position, Vertical Position, Color, Menu, Reset, Background Brightness, Language
PnP	DDC 1/2B
Power Supply	Less than 48W at working mode Less than 3W at Waiting/Pause/Close mode
Lattice Video Compatibility	Macintosh, Windows95/98/98SE/Me/ NT4/2000/XP, Mac OS
DC/AC Adaptor	Fixed power supply
Input Power	AC 100~240V, 50~60Hz
Output Power	DC 12V / 4A
Operation Condition	Temperature: 0 ~ 40^{0}C Humidity: 20%~80%
Measurement (W x L x H)	380 x 400 x220 mm
Net Weight	4.8 kg
Control Button	Power ON/OFF, Auto-adjustment, OSD menu, Increasing, Decreasing

*** The above specification is subject to actual panel specification and is subject to change without prior notice.

Energy-saving Modes

When activating this product, it complies with relevant energy-saving requirements according to Star of Energy and VESA (Video Electronic Standard Association) standards. When monitor is leaving unused, it can also automatically reduces unnecessary power consumption. In case the user intends to use this function, this monitor should connect to such a kind of computer with energy management system which complies with VESA regulations. There are totally three energy-saving modes listed as below for users' option, at this time, computer needs some more setup including timer.

* Waiting Mode
Monitor enters into waiting mode after line signal is cut off. At this time, power consumption is less than 3W, screen will turn dark and power indicator turns to orange color. In case there is any action from keyboard or mouse, the monitor will re-enter into working mode immediately.
* Pause Mode
Monitor enters into pause mode after field signal is cut off. At this time, power consumption is less than 3W, screen will turn dark and power indicator turns to orange color. In case there is any action from keyboard or mouse, the monitor will re-enter into working mode immediately.
* Close Mode
Monitor enters into waiting mode after both line signal and field signal is cut off. At this time, power consumption is less than 3W, screen will turn dark and power indicator has no light. In case there is any action from keyboard or mouse, the monitor will re-enter into working mode immediately
* For all of the above energy-saving modes, user can understand well through the LED on front panel.

Mode	Signal		Power	
	Line Signal	Field Signal	Power indicator	Power Consumption
Normal	Y	Y	Green	<48W
Waiting	N	Y	Orange	<3W
Pause	Y	N	Orange	<3W
Close	N	N	OFF	<3W

Timer Mode

Supporting Mode	640*480@60/75/66(Mac)Hz
	720*400@70Hz
	800*600@56/60/72/75 Hz
	832*624@Mac 16"
	1024*768@60/70/75/75(Mac) Hz
	1280*1024@60/70/75 Hz

FAQ (Frequently Asked Question)

Question: No picture

- Make sure signal wire has connected to display card.
- Make sure the computer and screen are all opened.
- Make sure pins of signal wirs has no bending or distortion.

Question: Orange LED lights but no picture

- Make sure signal wire has connected to display card or not.
- Make sure if the computer is in waiting mode or not.

Question: Green LED lights but no picture

- Check RESET item of OSD menu first, then check RECALL item.
- Check and adjust BRIGHTNESS, CONTRAST, BACKGROUND BRIGHTNESS and OSD menu.

Question: RGB NO INPUT SIGNAL show on screen

- Make sure signal wire has connected to display card or not.
- Make sure your conputer is wotking normally ot not.

Question: SIGNAL OVER RANGE show on screen

- Check display card specification, set vertical frequency to 50 ~ 75 Hz, ans make sure resolution is less than 1280 x 1024.

Question: Screen picture not clear

- Make sure computir signal outpur is normal or not, then check RESET and AUTO ADJUST item of OSD menu.
- Check PHASE & PITCH item.
- Set screen picture at 1280 x 1024 @ 75Hz.

Question: Picture size incorrect

- Check RESET & AUTO ADJUST item of OSD menu.
- Adjust horizanral and vertical position by OSD menu.

- Make sure the compatiobility of display card and LCD screen specification. (Please refer to relevant diagrams or manual and update info as well).

N793S LCD Monitor